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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/826,096	04/05/2001	Biing-Seng Wu	4006-117	2725
7:	590 06/04/2003		•	
LOWE HAUPTMAN GOPSTEIN GILMAN & BERNER, LLP Suite 310 1700 Diagonal Road			EXAMINER	
			PATEL, NITIN	
Alexandria, VA 22314		·	ART UNIT	PAPER NUMBER
			2673	4
•			DATE MAILED: 06/04/2003	. "/

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.			
Office Action Summary		Application No.	Applicant(s)		
		09/826,096	WU ET AL.		
		Examiner	Art Unit		
	TI 1444 NO DATE 144	Nitin Patel	2673		
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status					
1)⊠	Responsive to communication(s) filed on 18 M	<u>farch 2003</u> .			
2a) <u></u>	This action is FINAL . 2b)⊠ Thi	s action is non-final.			
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
4)⊠ Claim(s) <u>1-12</u> is/are pending in the application.					
4a) Of the above claim(s) is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.					
	Claim(s) <u>1-12</u> is/are rejected.				
	Claim(s) is/are objected to.				
	Claim(s) are subject to restriction and/or	election requirement.			
	on Papers				
9) The specification is objected to by the Examiner.					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
11) The proposed drawing correction filed on is: a) □ approved b) □ disapproved by the Examiner. If approved, corrected drawings are required in reply to this Office action.					
12) The oath or declaration is objected to by the Examiner.					
Priority under 35 U.S.C. §§ 119 and 120					
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).					
a) ☐ All b) ☐ Some * c) ☐ None of:					
1. Certified copies of the priority documents have been received.					
	2. Certified copies of the priority documents have been received in Application No				
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).					
* See the attached detailed Office action for a list of the certified copies not received.					
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).					
a) The translation of the foreign language provisional application has been received. 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.					
Attachment(s)					
2) Notice	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of Informal F	r (PTO-413) Paper No(s) Patent Application (PTO-152)		

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DETAILED ACTION

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1-12 is rejected under 35 U.S.C. 103(a) as being unpatentable over Kitajima et al., (U.S. Patent No. 5,475,396) in view of Ozawa et al., (U.S. Patent No. 6,462,724).

As per claims 1,4,5,7,8,9,10,12 Kitajima shows a scan line includes TFT disposed in an array, each array element having a TFT and a plurality of perpendicular scan line and data line (In fig.2) connecting to a gate and source of a TFT; a gate voltage deformation (resistor element 5a In Fig.9) which connects between the gate of the first TFT and a input terminal of the scan line to deform the gate input voltage waveform connected to the scan line circuit (In fig.9).

Kitajima does not show the drain of the TFT connecting to a liquid capacitor and a storage capacitor. Ozawa shows the drain of the TFT connecting to a liquid with ITO thin film and resistor with TFT source/gate connection (In col.4 lines 40-49 and In fig.13) which capacitor and a storage capacitor (In Fig.13 and In col.28 lines 18-250. It would have been obvious to one of ordinary skill in the art, at the time of the invention was made to allow the teaching of storage and crystal capacitors of Ozawa's into the TFT-

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LCD device of Kitajima's because it would have applied the data in On/Off mode of a scanning mode and display mode.

As per claims 2,11 Kitajima shows the gate deformation device comprises a resistor (In fig.9).

As per claim 3,Kitajima shows the resistance of the resistor is in the range of 10 to 100 ohm (In col.8).

Response to Arguments

3. Applicant's arguments with respect to claims 1-12 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nitin Patel whose telephone number is 703-308-7024. The examiner can normally be reached on 8:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bipin H Shalwala can be reached on 703-305-4938. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9314 for regular communications and 703-308-9052 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-9618.

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NP June 2, 2003

> VIJAY SHANKAR PRIMARY EXAMINER